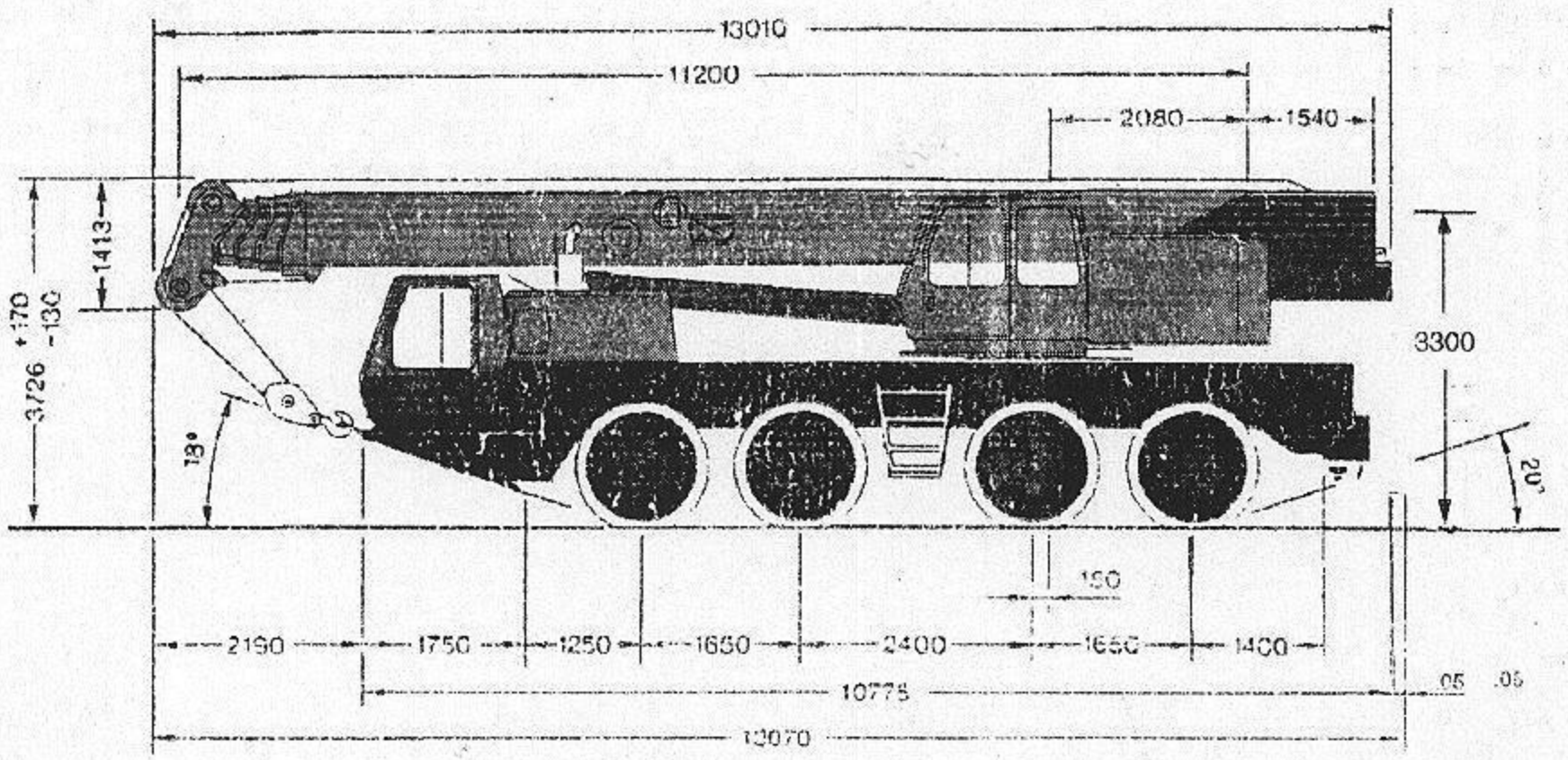
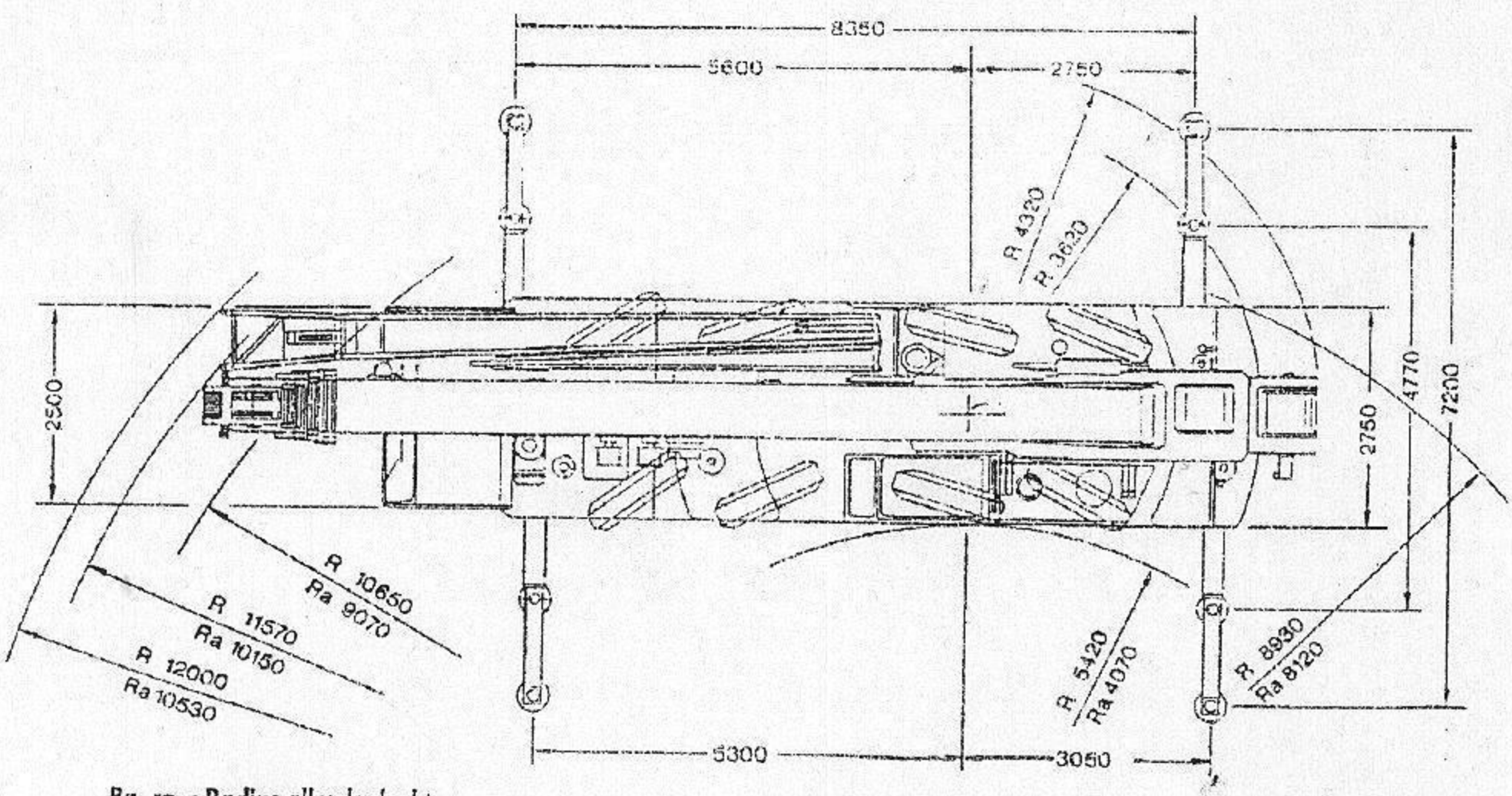
GRUMAQ S.R.L.
fuerte en servicios

KRUPP GMK 4080

80 Tonne Mobile Hydraulic Crane

GENERAL DIMENSIONS

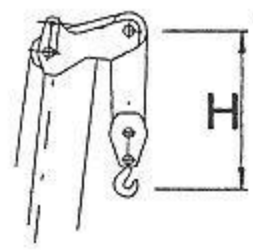




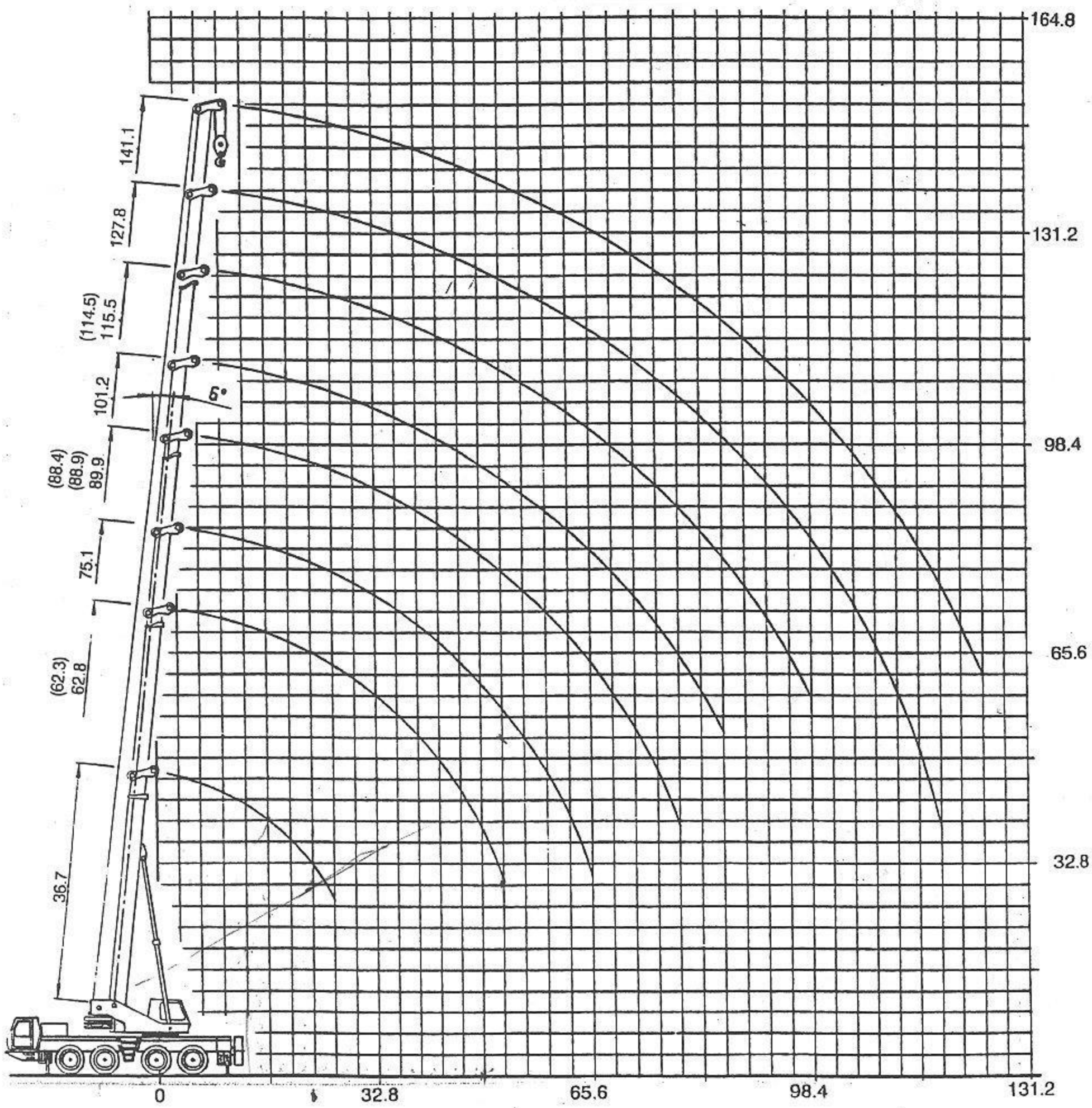
Ra, ra = Radius allradgelenkt
Radius all wheels steered
Rayon toutes les roues directrices

Working range curves - main boom

Hook block				
Lifting capacity in lbs	176 400	88 200	29 700	13 700
Distance H in ft	10.2	9.8	9.2	7.5



Height (ft)



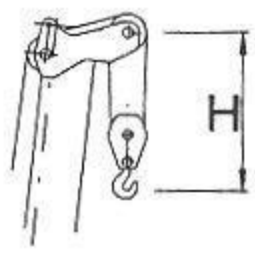
Radius in ft

These working range curves are only valid in conjunction with the radii listed in the lifting capacity tables.

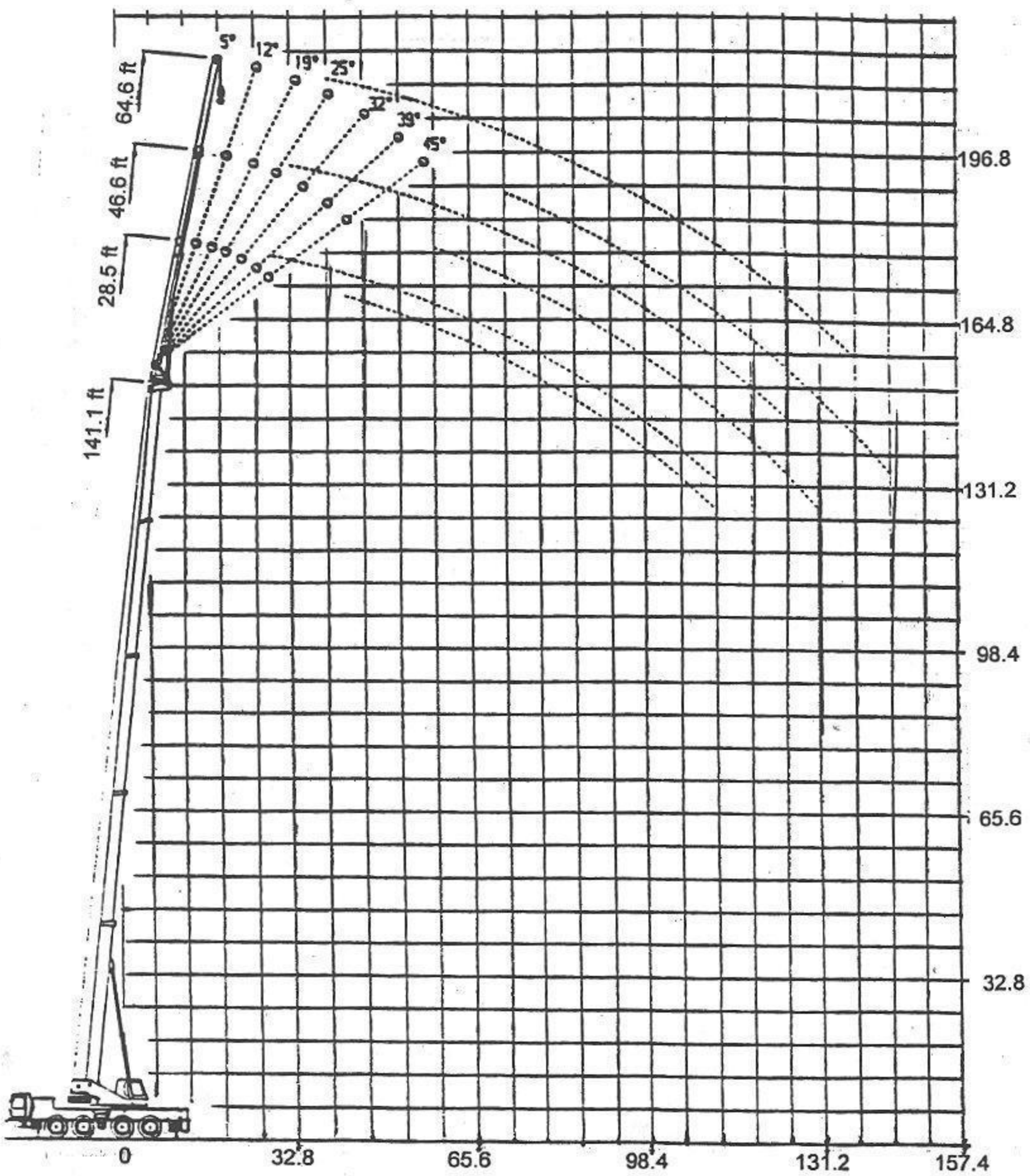
The sheaves heights are calculated theoretically. The actual values deviate from these values due to the flexion of the boom, depending on the load.

Working range curves - power tilt jib

Hook block		
Lifting capacity in lbs	29 700	13 700
Distance H in ft	9.2	7.5



Height (ft)



Radius in ft

These working range curves are only valid in conjunction with the radii listed in the lifting capacity tables.

The sheaves heights are calculated theoretically. The actual values deviate from these values due to the flexion of the boom, depending on the load.

2.1 Main boom

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2 297 230/7 231
2 297 320/7 321

	Crane with 34 850 lbs (15,8 t) Counterweight (supporting span 27.4 x 23.6 ft)					
	Main boom - fixed lengths in ft					
	36.7	36.7	62.3	62.8	75.1	88.4
Slewing range	to the rear	360°				
Tel.sec. I	0.0	0.0	1.0	0.0	1.0	1.0
Tel.sec. II	0.0	0.0	0.0	0.5	0.5	0.5
Tel.sec. III	0.0	0.0	0.0	0.5	0.0	0.5
Tel.sec. IV	0.0	0.0	0.0	0.0	0.0	0.0
Radius	Lifting capacity in 1000 lbs					
10.0	193.0	158.0				
15.0	155.0	122.0	115.0	78.0	78.0	
20.0	113.8	97.0	94.0	78.0	78.0	69.0
25.0	88.6	79.0	77.0	76.0	66.0	59.0
30.0			60.0	65.0	57.0	51.0
35.0			46.0	50.0	46.0	44.0
40.0			36.0	40.4	36.2	37.6
45.0			28.8	33.2	29.2	30.6
50.0			23.2	27.6	23.6	25.0
55.0					19.2	20.6
60.0					15.8	17.2
65.0					13.0	14.4
70.0						12.0
75.0						10.0
SLI Code	411	410				
Max. permitted wind speed	8					6

2 293 280
2 293 397

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Crane with 34 850 lbs (15,8 t) Counterweight (supporting span 27.4 x 23.6 ft)

	Main boom - intermediate lengths in ft					
	36.7 - 62.3	62.3 - 75.1	75.1 - 88.4	88.4 - 101.2	101.2 - 114.5	114.5 - 141.1
Slewing range	360°					
Tel. sec I	0.0	100	100	100	100	100
Tel. sec II	0 - 100	0 - 50	50	50 - 100	100	100
Tel. sec III	0.0	0.0	0 - 50	50	50 - 100	100
Tel. sec IV	0.0	0.0	0.0	0.0	0.0	0 - 100
Radius	Lifting capacity in 1000 lbs					
10.0	63.4					
15.0	60.0	63.4				
20.0	50.1	62.9	56.7	33.7	33.7	
25.0	42.1	54.3	48.2	33.7	33.7	
30.0	36.1	46.5	41.3	32.4	32.4	21.8
35.0	31.5	36.9	35.9	28.5	28.5	21.8
40.0	28.0	29.0	29.2	25.4	25.4	21.8
45.0	24.9	23.4	23.6	22.7	22.7	21.8
50.0	21.2	19.0	19.3	20.1	20.1	19.4
55.0		15.9	16.2	17.0	17.0	16.7
60.0		13.2	13.4	14.3	14.3	14.1
65.0		11.0	11.2	12.1	12.1	12.1
70.0			9.4	10.2	10.2	10.2
75.0			7.7	8.7	8.7	8.7
80.0				7.3	7.3	7.3
85.0				6.0	6.0	6.0
90.0					4.8	5.0
95.0					3.7	4.1
100.0						3.2
105.0						2.4
110.0						1.7
SLI - Code	410					
Max. permitted wind speed	8		6			

* The above lifting capacity values are monitored automatically by the SLI.

* The boom should be extended to tahe required intermediate length before the load is lifted.
The particular telescope section can also be extended under load.
The telescopable load depends, however, on the angle of the boom and on how well the sliding wear pads between the telescope sections are lubricated.